

BruxZir® Solid Zirconia



*Prescribe BruxZir Solid Zirconia restorations
instead of metal occlusals and cast gold*

- ❖ Ideal for bruxers who have destroyed natural teeth or previous dental restorations
- ❖ An esthetic alternative to metal occlusal PFMs and cast gold crowns & bridges
- ❖ Conservatively prepare as thin as 0.5 mm with feather edge margins, much like you would cast gold



For more information,
visit www.bruxzir.com

GL-2165-1111

Virtually Unbreakable
BruxZir®
Solid Zirconia Crowns & Bridges



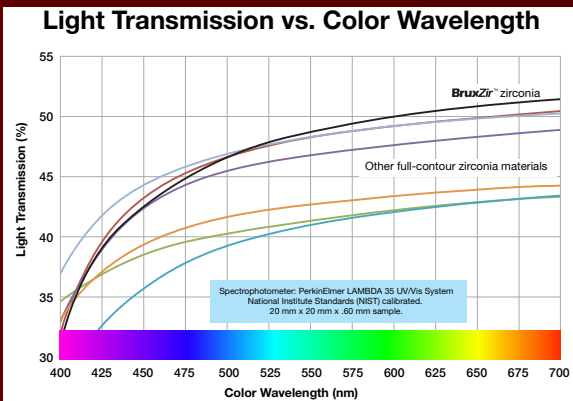
KDA-002183

EXHIBIT 79

BruxZir® Solid Zirconia is more brawn than beauty

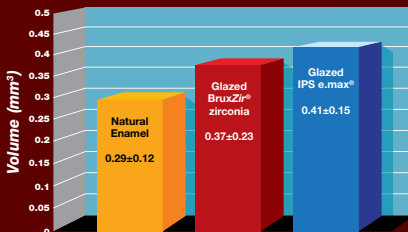
Scientific validation

BruxZir Solid Zirconia crowns & bridges are made from the highest quality zirconia powder from Japan. We chemically and physically reprocess the powder to further reduce the zirconia particle sizes. BruxZir milling blanks are then created through a unique patent-pending process. Unlike conventional high-pressure milling blank manufacture, our processing gives BruxZir zirconia improved light transmission, which provides a lower, more natural shade value.



BruxZir™ zirconia exhibits higher translucency in the warm color spectral wavelength (>550 nanometers), allowing for more natural-looking restorations.

Wear Compatibility

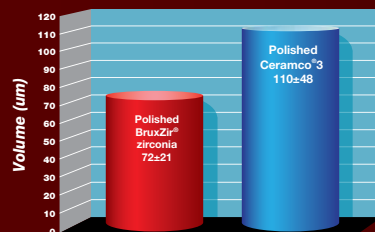


In a recent study¹ to measure the volumetric loss of enamel, glazed BruxZir zirconia was found to wear compatible with enamel and virtually identical to glazed IPS e.max.

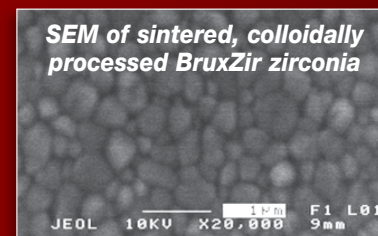
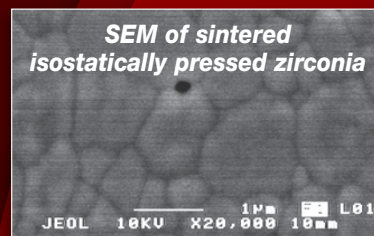
1. Wear of Enamel on Polished and Glazed Zirconia: Shah S, Michelson C, Beck P, et al. 2010; Washington, DC: AADR. Abstract #129615.

BruxZir is a registered trademark of Glidewell Laboratories. Ceramco is a registered trademark of DENTSPLY Ceramco. IPS e.max is a registered trademark of Ivoclar Vivadent.

Antagonist Wear



The antagonistic (Steatite balls) wear shows BruxZir zirconia only with 72±21 microns, which is significantly lower than Ceramco® 3 (110±48 microns). The University of Tübingen study was run using an eight chamber Willytec Chewing Simulator at 1.2 million cycles.



The 50% smaller average grain size of BruxZir zirconia improves its physical properties.



BruxZir Solid Zirconia Crown



Gold Crown



Porcelain and Metal Crown